

### CRTAP Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant CRTAP. Catalog # AT1637a

# **Specification**

# CRTAP Antibody (monoclonal) (M01) - Product Information

Application WB, IHC, E **Primary Accession** 075718 Other Accession NM 006371 Reactivity Human Host mouse Clonality **Monoclonal** Isotype IgG2a Kappa Calculated MW 46562

### CRTAP Antibody (monoclonal) (M01) - Additional Information

#### **Gene ID 10491**

#### **Other Names**

Cartilage-associated protein, CRTAP, CASP

## **Target/Specificity**

CRTAP (NP 006362, 307 a.a. ~ 401 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

# **Dilution**

WB~~1:500~1000 IHC~~1:100~500 E~~N/A

#### **Format**

Clear, colorless solution in phosphate buffered saline, pH 7.2.

#### Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

# **Precautions**

CRTAP Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

# CRTAP Antibody (monoclonal) (M01) - Protocols

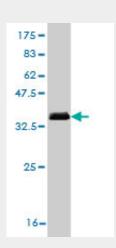
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides

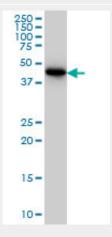


- Dot Blot
- <u>Immunohistochemistry</u>
- <u>Immunofluorescence</u>
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

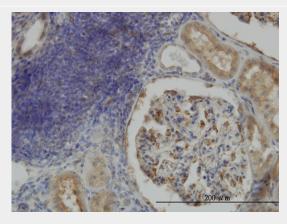
# CRTAP Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.19 KDa).

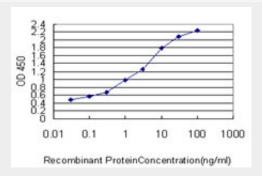


CRTAP monoclonal antibody (M01), clone 4D9 Western Blot analysis of CRTAP expression in HeLa ( (Cat # AT1637a )





Immunoperoxidase of monoclonal antibody to CRTAP on formalin-fixed paraffin-embedded human kidney. [antibody concentration 3 ug/ml]



Detection limit for recombinant GST tagged CRTAP is approximately 0.03ng/ml as a capture antibody.

### CRTAP Antibody (monoclonal) (M01) - Background

The protein encoded by this gene is similar to the chicken and mouse CRTAP genes. The encoded protein is a scaffolding protein that may influence the activity of at least one member of the cytohesin/ARNO family in response to specific cellular stimuli. Defects in this gene are associated with osteogenesis imperfecta, a connective tissue disorder characterized by bone fragility and low bone mass.

### CRTAP Antibody (monoclonal) (M01) - References

1.Severe osteogenesis imperfecta in cyclophilin B-deficient mice. Choi JW, Sutor SL, Lindquist L, Evans GL, Madden BJ, Bergen HR 3rd, Hefferan TE, Yaszemski MJ, Bram RJ. PLoS Genet. 2009 Dec;5(12):e1000750. Epub 2009 Dec 4.2. Prolyl 3-hydroxylase 1 and CRTAP are mutually stabilizing in the endoplasmic reticulum collagen prolyl 3-hydroxylation complex. Chang W, Barnes AM, Cabral WA, Bodurtha JN, Marini JC. Hum Mol Genet. 2010 Jan 15;19(2):223-34. Epub 2009 Oct 21.